



Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at <http://about.jstor.org/participate-jstor/individuals/early-journal-content>.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

Prof. Underwood referred to the influence of the Gulf Stream in permitting the occurrence of the subtropical genus *Lejeunia* on the coast of Ireland, a genus not elsewhere found in Europe. Comparing the Hepaticae of Florida, they are only in part known; a few species are in common with the Appalachian flora; most of the Florida hepatica are close-creeping forms found on bark, as *Frullania* and *Lejeunia*, having water sacs on their leaves as aids in resisting drought. Some tropical Marchantiaceae occur in Florida, and also, especially, species of *Riccia* and *Anthoceros*. *Thallocarpus* is known only from Florida and South Carolina.

Index to recent Literature relating to American Botany.

- Atkinson, G. F.** The Preparation of Material for general Class Use. Bot. Gaz. 23: 372-376. 21 My. 1897.
- Beal, W. J.** *Bromus secalinus* germinating on Ice. Bot. Gaz. 23: 204. 24 Mr. 1897.
- Britton, E. G.** Emily L. Gregory. Bull. Torr. Bot. Club, 24: 221-228. *Portrait*. 29 My. 1897.
- Britton, N. L.** The Metric System and the "Illustrated Flora." Bot. Gaz. 23: 204, 205. 24 Mr. 1897.
- Burnap, C. E.** Contributions from the Cryptogamic Laboratory of Harvard University.—XXXVIII. Notes on the genus *Calostoma*. Bot. Gaz. 23: 180-191. *pl. 19*. 24 Mr. 1897.
Three American species are recognized.
- Burnett, K. C.** Notes on the Influence of Light on certain dorsiventral Organs. Bull. Torr. Bot. Club, 24: 116-122. *pl. 297*. 30 Mr. 1897.
- Calkins, G. N.** Chromatin-reduction and Tetrad-formation in Pteridophytes. Bull. Torr. Bot. Club, 24: 101-115. *pl. 295, 296*. 30 Mr. 1897.
- Chamberlain, C. J.** Contribution to the Life-history of *Salix*. Bot. Gaz. 23: 147-179. *pl. 12-18*. 24 Mr. 1897.
- Coville, F. V.** Bibliography of *Hypoxis*. Bot. Gaz. 23: 206. 24 Mr. 1897.

- Coville, F. V.** *Collomia Mazama*, a new Plant from the Vicinity of Crater Lake, Oregon. Proc. Biol. Society Wash. 11: 35-37. 13 Mr. 1897.
- Coville, F. V.** The Itinerary of John Jeffrey, an early Botanical Explorer of Western North America. Proc. Biol. Soc. Wash. 11: 57-60. 23 Mr. 1897.
- Coville, F. V.** The technical Name of the Camas Plant. Proc. Biol. Soc. Wash. 11: 61-65. 21 Ap. 1897.
- Davenport, G. E.** *Botrychium ternatum* Swz. var. *lunarioides* (Michx.) Milde. Bot. Gaz. 23: 282-287. 22 Ap. 1897.
- Davis, B. M.** Oversight of American Publications. Bot. Gaz. 23: 205. 24 Mr. 1897.
- Davy, J. B.** The Sacred Thorn of Arizona. Erythea, 5: 39, 40. 31 Mr. 1897.
- Davy, J. B.** The Sleepy Grass of New Mexico. Erythea, 5: 40. 31 Mr. 1897.
- Davy, J. B.** Vegetable Soaps. Erythea, 5: 40. 31 Mr. 1897.
- Dewey, L. H.** Nut Grass. Circ. Div. Bot. U. S. Dept. Agric. 2: pp. 4. f. 1. 29 O. 1894.
Discusses *Cyperus rotundus*.
- Dewey, L. H.** Three new Weeds of the Mustard Family. Circ. Div. Bot. U. S. Dept. Agric. 10: pp. 6. f. 3. 15 My. 1897.
Discusses *Berteroa incana*, *Conringia orientalis* and *Neslia paniculata*.
- Dewey, L. H.** Two Hundred Weeds: how to know them and how to kill them. Yearb. U. S. Dept. Agric. 1895: 592-610. 1896.
- Dietel, P.** Uredineae brasilienses a cl. E. Ule lectae. Hedwigia, 36: 26-27. 15 F. 1897.
New species in *Uromyces*, *Puccinia*, *Aecidium*, *Uredo*, *Caeoma*.
- Ellis, J. B. and Everhart, B. M.** New Species of Fungi from various Localities. Bull. Torr. Bot. Club, 24: 125-137. 30 Mr. 1897.
New species in *Polystictus*, *Cyathus*, *Meliola*, *Asterina*, *Rosellinia*, *Ceratostoma*, *Trichospora*, *Cucurbitaria*, *Melanomma*, *Lophiotrema*, *Lophidium*, *Laestadia*, *Didymosphaeria*, *Physalospora*, *Amphisphaeria*, *Leptosphaeria*, *Pleospora*, *Delophia*, *Diaporthe*, *Valsa*, *Eutypella*, *Calosphaeria*, *Diatrype*, *Melogramma*, *Nummularia*, *Homostegia*, *Curreya*, *Phialea*, *Cenangium*, *Lasiobelonium* and *Schizoxylon*.
- Ellis, J. B. and Kelsey, F. D.** New West Indian Fungi. Bull. Torr. Bot. Club, 24: 207-209. 24 Ap. 1897.
New species in *Asterina*, *Hypospila*, *Puccinia*, *Aecidiella*, n. g. and *Uredo*.

- Evans, W. H.** Botany of Cotton. Office of Exp. Stations U. S. Dept. of Agric. Bull. 33: 67-80. *f.* 1-3. 1896.
- Fernow, B. E.** Southern Pine—Mechanical and Physical Properties. Circ. Div. Forestry U. S. Dept. Agric. 12. 12. 1896.
Treats of *Pinus palustris*, *P. heterophylla*, *P. echinata*, *P. Taeda*.
- Gain, Edmond.** The Physiological Rôle of Water in Plants. Exp. Sta. Rec. 8: 3-21. *f.* 1. 1896.
- Galloway, B. F.** The Pathology of Plants: Lines of Investigation that might be undertaken by Experiment Stations. Exp. Sta. Rec. 7: 725-735. 1896.
- Gilbert, B. D.** Note on *Dicksonia dissecta* Sw. Bull. Torr. Bot. Club, 24: 262-265. 29 My. 1897.
- Gilbert, B. D.** Three new Ferns from Jamaica. Bull. Torr. Bot. Club, 24: 259-261. 29 My. 1897.
New species in *Asplenium*, *Dryopteris* and *Polypodium*.
- Gilbert, B. D.** Two new Bolivian Ferns of the Miguel Bang Collection. Bull. Torr. Bot. Club, 24: 258, 259. 29 My. 1897.
New species in *Blechnum* and *Dryopteris*.
- Goodale, G. L.** Suggestions for Investigations in Vegetable Physiology, with special Relation to Agriculture. Exp. Sta. Rec. 7: 438-456. 1896.
- Greene, E. L.** Concerning an East American Violet. *Viola subvestita*. Erythea, 5: 39. 31 Mr. 1897.
- Hagenbuck, I.** Californian Herb Lore. Erythea, 5: 39. 31 Mr. 1897.
- Harshberger, J. N.** An ecological Study of the Genus *Talinum* with Descriptions of two Species. Bull. Torr. Bot. Club, 24: 178-188. *pl.* 299. 24 Ap. 1897.
- Hicks, G. H.** Pure Seed Investigation. Yearb. U. S. Dept. Agric. 1894: 389-408. 1895.
- Hollick, A.** A new fossil Grass from Staten Island. Bull. Torr. Bot. Club, 24: 122-124. *pl.* 298. 30 Mr. 1897.
Phragmites Aquehongensis n. sp.
- Holm, Theo.** Some American *Panicums* in the Herbarium Berolinense and in the Herbarium of Willdenov. Bull. Div. Agros. U. S. Dept. Agric. 4: 17-23. *f.* 7-15. 6 F. 1897.
- Holway, E. D. W.** A new Californian Rust. Erythea, 5: 31. 31 Mr. 1897.
Puccinia cretica n. sp.

- Howe, M. A.** *Gyrothyra*, a new Genus of Hepaticae. Bull. Torr. Bot. Club, 24: 201-205. *pl.* 302, 303. 24 Ap. 1897.
Gyrothyra Underwoodiana n. sp.
- Hubbard, H. G.** Insect Fertilization of an Aroid Plant. Insect Life. Div. of Ent. U. S. Dept. of Agric. 7: 340-345. *f.* 33. 29 Mr. 1895.
- Jepson, W. L.** The Explorations of Hartweg in America. Erythea, 5: 31-35; 51-56. Mr.-Ap. 1897.
- Jones, J. D.** Cork Oak. Bull. Div. Forestry U. S. Dep't. Agric. 11: 9-18. *pl.* 1-3. 24 O. 1895.
- Jones, L. R. and Grout, A. J.** Notes on two Species of *Alternaria*. Bull. Torr. Bot. Club, 24: 254-258. *pl.* 308. 2 *figs.* 29 My. 1897.
- Keffer, C. A.** Wattle Tree. Bull. Div. Forestry U. S. Dept. Agric. 11: 19-22. 24 O. 1895.
- Kinney, A.** *Eucalyptus*. Bull. Div. Forestry U. S. Dept. Agric. 11: 23-28. 24 O. 1895.
- Leiberg, J. B.** *Delphinium viridescens* and *Sambucus leiosperma*, two new Plants from the Northwest Coast. Proc. Biol. Soc. Wash. 11: 39-41. 13 Mr. 1897.
- Lovell, J. H.** Fertilization of *Alnus incana* and *Salix discolor*. Bull. Torr. Bot. Club, 24: 264. 29 My. 1897.
- MacDougal, D. T.** The Curvature of Roots. Bot. Gaz. 23: 307-366. *pl.* 28. 21 My. 1897.
- MacDougal, D. T.** The Tropical Laboratory Commission. Bot. Gaz. 23: 291. 22 Ap. 1897.
- McClatchie, A. J.** A Correction in Nomenclature. *Ribes montigenum*. Erythea, 5: 38. 31 Mr. 1897.
- Nash, G. V.** New or Noteworthy American Grasses.—VI. Bull. Torr. Bot. Club, 24: 192-201. 24 Ap. 1897.
Eight new species of *Panicum*.
- Ogden, E. L.** Leaf Structure of *Jouvea* and of *Eragrostis obtusiflora*. Bull. Div. Agrost. U. S. Dept. Agric. 8: 12-20. *pl.* 8-9. 6 My. 1897.
- Olson, M. E.** *Acrospermum urceolatum*, a new discomycetous Parasite of *Selaginella rupestris*. Bot. Gaz. 23: 367-371. *pl.* 29. 21 My. 1897.
- Parry, Mrs. C. C.** List of Papers published by the late Dr. C. C. Parry. Proc. Davenport Acad. Nat. Sci. 6: 46-52. 1889-1897.

- Peck, C. H.** Mushrooms and their Use. Pamphlet, pp. 80. *f.* 32. My. 1897.
Reprint of series of articles in *Cultivator* and *Country Gentleman*.
- Peck, C. H.** New species of Fungi. Bull. Torr. Bot. Club, **24**: 137–147. 30 Mr. 1897.
New species in *Amanita*, *Lepiota*, *Tricholoma*, *Armillaria*, *Clitocybe*, *Hygrophorus*, *Collybia*, *Omphalia*, *Marasmius*, *Flammula*, *Galera*, *Psilocybe*, *Boletus*, *Polyporus* and *Cryptophallus*, n. g.
- Pinchot, G.** Three New Jersey Pines. Gard. & For. **10**: 192. *f.* 24. 19 My. 1897.
- Preston, C. H.** Biographical Sketch of Dr. Charles Christopher Parry. Proc. Davenport Acad. Nat. Sci. **6**: 35–45. *Portrait*. 1889–1897.
- Purdy, C.** *Quercus lobata* at Ukiah, California. Gard. & For. **10**: 202. *f.* 25, 26. 26 My. 1897.
- Robertson, C.** Seed Crests and myrmecophilous Dissemination in certain Plants. Bot. Gaz. **23**: 288. 22 Ap. 1897.
- Röll, J.** Beiträge zur Moosflora von Nord-Amerika. Hedwigia, **36**: 41–64. 15 F. 1897.
New species in *Hypnum* and several new varieties.
- Rose, J. N.** Preliminary Revision of the North American species of *Chrysosplenium*. Bot. Gaz. **23**: 274–277. 22 Ap. 1897.
C. Beringianum n. sp.
- Rydberg, P. A. and Shear, C. L.** A Report upon the Grasses and Forage Plants of the Rocky Mountain Region. Bull. Div. Agrost. U. S. Depart. Agric. **5**: 48. *f.* 29. 19 F. 1897.
Notes on several species, with descriptions of new ones.
- Rydberg, P. A.** Rarities from Montana. Bull. Torr. Bot. Club, **24**: 188–192; 243–253; 292–299. *pl.* 300, 301, 304–307. Ap.–Je. 1897.
New species in *Cardamine*, *Mitella*, *Potentilla*, *Allium*, *Calochortus*, *Urtica*, *Coridospermum*, *Artemisia*, *Senecio*, *Erigeron*, *Pedicularis*, *Arnica*.
- Schaffner, J. H.** Contribution to the Life-history of *Sagittaria variabilis*. Bot. Gaz. **23**: 252.–273. *pl.* 20–26. 22 Ap. 1897.
- Schneider, A.** Reinke's Discussions of Lichenology.—IV. Bull. Torr. Bot. Club, **24**: 237–243. 29 My. 1897.
- Scribner, F. Lamson.** A List of the Grasses collected by Dr. E. Palmer in the Vicinity of Acapulco, Mexico, 1894–95. Bull. Div. Agrost. U. S. Dept. Agric. **4**: 7–11. *f.* 1–4. 6 F. 1897.
- Scribner, F. Lamson.** Miscellaneous Notes and Descriptions of new Species. Bull. Div. Agrost. U. S. Dept. Agric. **4**: 36–39. *pl.* 3–5. 6 F. 1897.

Scribner, F. Lamson. New or little known Grasses. Bull. Div. Agrost. U. S. Dept. Agric. 8: 5-11. *pl.* 1-7. 6 My. 1897.

Notes on *Poa Turneri*, *P. Leibergii*, *Panicum Leibergii*, *Elymus Brownii*, *Elymus flavescens*, *Muhlenbergia flaviseta*, and *Eragrostis obtusiflora*.

Scribner, F. Lamson. The Genus *Ixophorus*. Bull. Div. Agrost. U. S. Dept. Agric. 4: 5-7. *pl.* 1-2. 6 F. 1897.

Note on *Ixophorus Pringlei*.

Scribner, F. Lamson and Smith, J. G. Native and introduced Species of the Genera *Hordeum* and *Agropyron*. Bull. Div. Agrost. U. S. Dept. Agric. 4: 23-36. 6 F. 1897.

Two new species and one new variety in *Hordeum*. Nine new species and fourteen new varieties in *Agropyron*.

Scribner, F. Lamson and Smith, J. G. Some Mexican Grasses collected by E. W. Nelson in Mexico, 1894-95. Bull. Div. Agrost. U. S. Dept. Agric. 4: 11-16. *pl.* 4. 6 F. 1897.

Notes on *Nazia racemosa aliena*, *Eriochloa Nelsoni*, *Panicum biglandulare* and *Chusquea Nelsoni*.

Small, J. K. A new species of *Clematis* from Tennessee. Bull. Torr. Bot. Club, 24: 209. 24 Ap. 1897.

C. Gattingeri n. sp.

Small, J. K. Studies in the Botany of the Southeastern United States. —IX. Bull. Torr. Bot. Club, 24: 169-178. 24 Ap. 1897.

Revision of sessile-flowered *Trillia* with a new species; notes on critical species and notes on Epilobiaceae.

Small, J. K. Studies in the Botany of the Southeastern United States. —X. Bull. Torr. Bot. Club, 24: 228-236. 29 My. 1897.

Revision of *Tradescantia* with eleven species, of which four are new.

Smith, J. D. Undescribed Plants from Guatemala and other Central American Republics.—XVIII. Bot. Gaz. 23: 235-251. 22 Ap. 1897.

26 species in various genera.

Smith, J. G. A Note on Experimental Grass Gardens. Circular, Div. Agrost. U. S. Dept. Agric. 1: 4. 6 Au. 1895.

Smith, J. G. Saltbushes. Circ. Div. Agrost. U. S. Dept. Agric. 3: 4. *f.* 3. 13 Mr. 1896.

Discusses species of *Atriplex*.

Sudworth, G. B. Nomenclature of the Arborescent Flora of the United States. Bull. Div. Forestry, U. S. Dept. Agric. 14: pp. 419. 21 Ja. 1897.

- Vail, A. M.** An undescribed Species of *Kallstroemia* from New Mexico. Bull. Torr. Bot. Club, **24**: 206, 207. 24 Ap. 1897.
K. brachystylis, n. sp.
- Ward, L. F.** Descriptions of the Species of *Cycadeoidea*, or fossil Cycadean Trunks, thus far discovered in the Iron Ore Belt, Potomac Formation, of Maryland. Proc. Biol. Soc. Wash. **11**: 1-17. 13 Mr. 1897.
- Waugh, F. A.** Definiteness of Variation and its Significance in Taxonomy. Bot. Gaz. **23**: 193-195. 24 Mr. 1897.
- Williams, T. A.** Grasses and Forage Plants of the Dakotas. Bull. Div. Agros. U. S. Dept. Agric. **6**: 47. f. II. 12 F. 1897.
Panicum Scribnerianum *Leibergii* Scribn. new name.
- Wittrock, V.** Algae exsiccatae. Bot. Gaz. **23**: 196-198. 24 Mr. 1897.
Repeats descriptions of five American species in *Coelastrum*, *Loefgrenia* n. g., *OEdogonium*, and *Spirogyra*.